

**ISTEP+: Grade 3 Mathematics
Blueprint**

Standards Assessed	Description	Percent Range *
1 – Number Sense	Questions may include representing numbers and values in words, models, and expanded form; arranging numbers in numerical order; identifying odd and even numbers; recognizing and showing equivalent fractions; and interpreting place value in whole numbers.	22-32%
2 – Computation	Questions may include adding and subtracting whole numbers with or without regrouping; representing the concept of multiplication and division with repeated addition and subtraction; demonstrating mastery of multiplication facts of 2, 5, and 10's; and adding and subtracting simple fractions with like denominators.	15-25%
3 – Algebra and Functions	Questions may include solving problems involving numeric equations; choosing appropriate operations to make number sentences true; describing and extending number patterns using multiplication; and plotting and labeling whole numbers on a number line.	7-17%
4 – Geometry	Questions may include identifying quadrilaterals; identifying right angles and deciding whether other angles are greater or less than a right angle; identifying, describing, and classifying cubes, spheres, prisms, pyramids, cones, and cylinders; drawing and knowing the difference between lines and line segments; and identifying lines of symmetry.	8-18%
5 – Measurement	Questions may include measuring line segments; adding units of length that require regrouping of inches to feet or centimeters to meters; finding the perimeter of polygons; telling time to the nearest minute; finding elapsed time; determining whether there is enough money to make a purchase and finding change due; and carrying out simple unit conversions.	9-19%
6 – Problem Solving	Questions may include solving problems by identifying relationships among numbers; distinguishing relevant and irrelevant information; sequencing and prioritizing information; observing patterns; applying strategies and results from simpler problems to solve more complex problems; expressing solutions clearly and logically using words, numbers, and symbols (pictures); making precise calculations; and determining if solutions are reasonable.	9-19%

* This range represents the approximate emphasis for each standard on the assessment.